**IN THE CLAIMS**

1. (Previously Presented) An apparatus for assessing a risk of a terrorist attack comprising:

a memory;

an input device;

a display device; and

a processor connected to the memory, the input device and the display device, the processor being configured to perform the steps of:

inputting information about a site of potential terrorist attack from a user;

constructing a model of the site based on the information input from the user;

accepting a designation from the user of a weapon and delivery point at the site;

determining an accessibility of the site to delivery of the weapon at the delivery point by determining a threat vector which is most likely the threat vector by which the weapon will be delivered and the likelihood of a successful delivery based on the model;

determining a probability that a terrorist attack using the weapon and at the delivery point will occur, the probability being based at least in part on a trigger event; and

calculating a risk based at least partially on the accessibility and probability.

2. (Previously Presented) The apparatus of Claim 1, wherein the risk is further based on a consequence calculation.

3. (Previously Presented) The apparatus of Claim 2, wherein the consequence calculation is performed by outputting data including model data to a consequence calculator plug-in and accepting consequence data from the plug-in.

4. (Previously Presented) The apparatus of Claim 1, wherein the processor is further configured to perform the step of preparing a report including the probability, accessibility and risk.

5. (Original) The apparatus of Claim 1, wherein the processor is further configured to perform the step of displaying a three dimensional representation of the most likely threat vector to the user.

6. (Previously Presented) The apparatus of Claim 1, wherein the risk is calculated using a Bayesian network.

7. (Previously Presented) A method for assessing a risk of a terrorist attack comprising the steps of:

inputting information about a site of a potential terrorist attack from a user;

constructing a model of the site based on the input from the user;

accepting a designation from the user of a weapon and delivery point at the site;

determining an accessibility of the site by determining a threat vector which is a most likely threat vector by which the weapon will be delivered and the likelihood of a successful delivery based on the model;

determining a probability that a terrorist attack using the weapon and at the delivery point will occur, the probability being based at least in part on a trigger event; and

calculating a risk based at least partially on the accessibility and probability.

8. (Previously Presented) The method of Claim 7, wherein the risk is further based on consequence calculation.

9. (Previously Presented) The method of Claim 8, wherein the consequence calculation is performed by outputting data including model data to a consequence calculator plug-in and accepting consequence data from the plug-in.

10. (Previously Presented) The method of Claim 7, wherein the processor is further configured to perform the step of preparing a report including the probability, accessibility and risk.

11. (Original) The method of Claim 7, wherein the processor is further configured to perform the step of displaying a three dimensional representation of the most likely threat vector to the user.

12. (Previously Presented) The method of Claim 7, wherein the risk is calculated using a Bayesian network.

13- 43. (Canceled).

44. (Previously Presented) The apparatus of Claim 1, wherein the trigger event is an historical event.

45-46. (Canceled).

47. (Previously Presented) The method of Claim 7, wherein the trigger event is an historical event.

48-49. (Canceled).

50. (New) The apparatus of Claim 1, wherein the weapon is capable of killing a mammal.

51. (New) The method of Claim 7, wherein the weapon is capable of killing a mammal.

52. (New) The apparatus of Claim 1, wherein the site includes at least one building.

53. (New) The method of Claim 7, wherein the site includes at least one building.